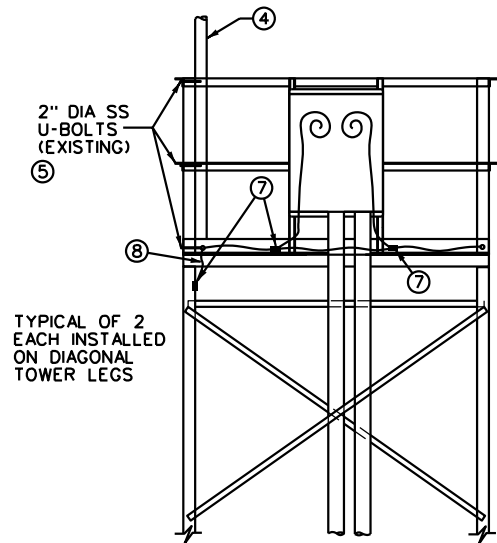
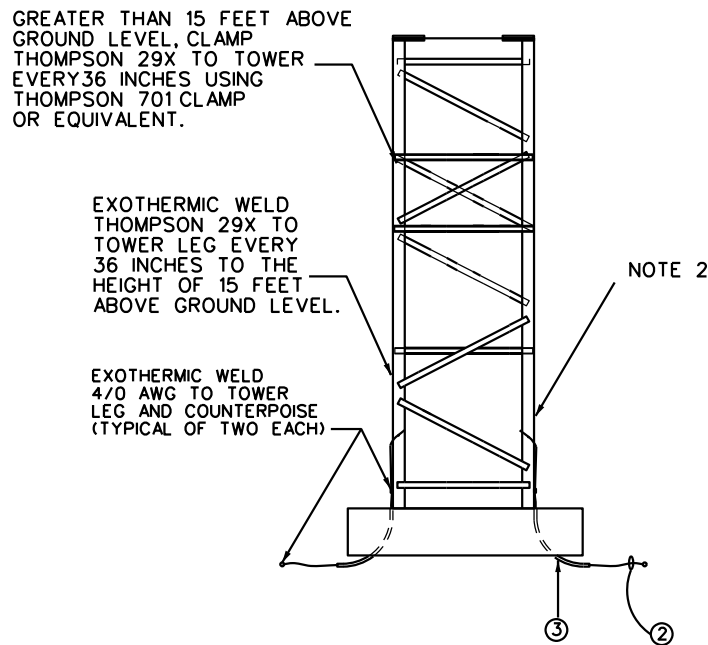


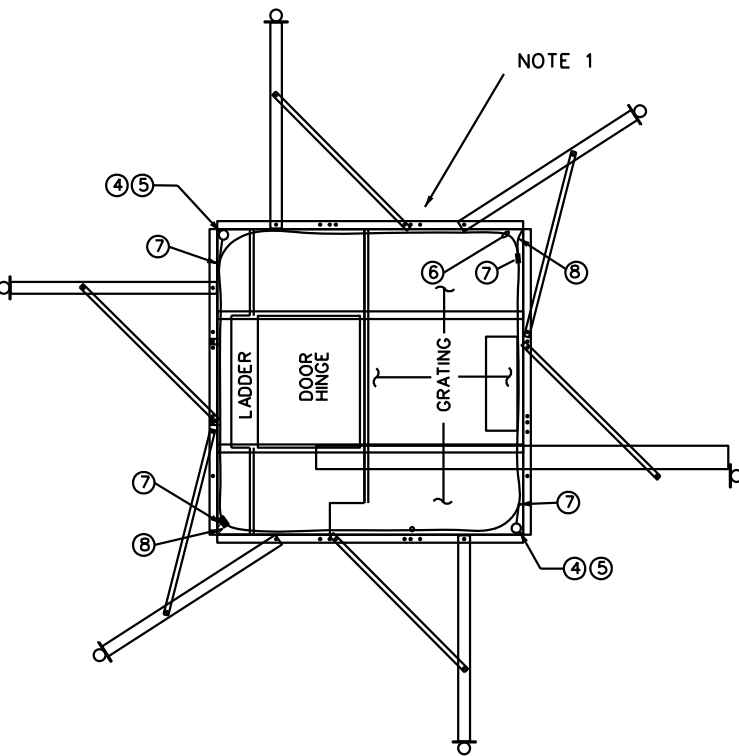
Antenna Tower Lightning Protection Grounding and Bonding.dgn
5/10/2012 3:45:41 PM Neda White



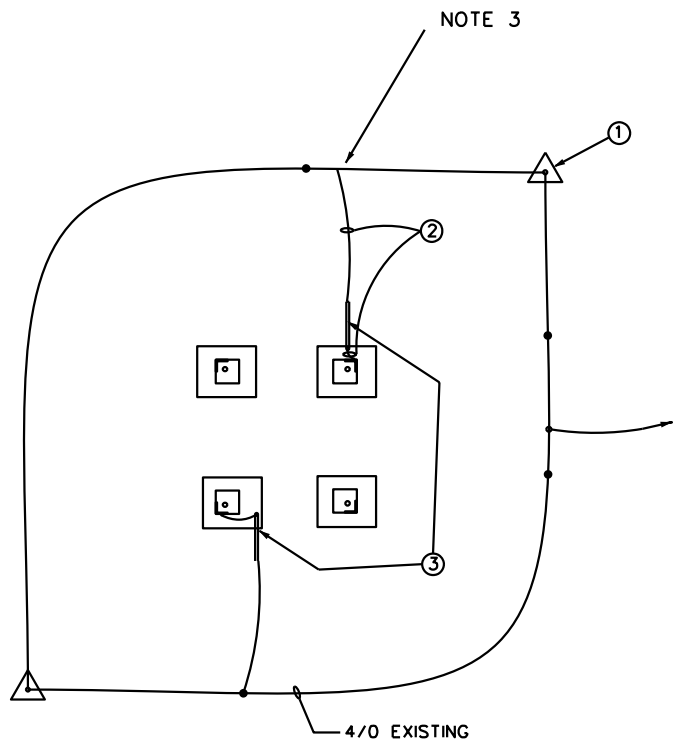
1
E002 NOT TO SCALE



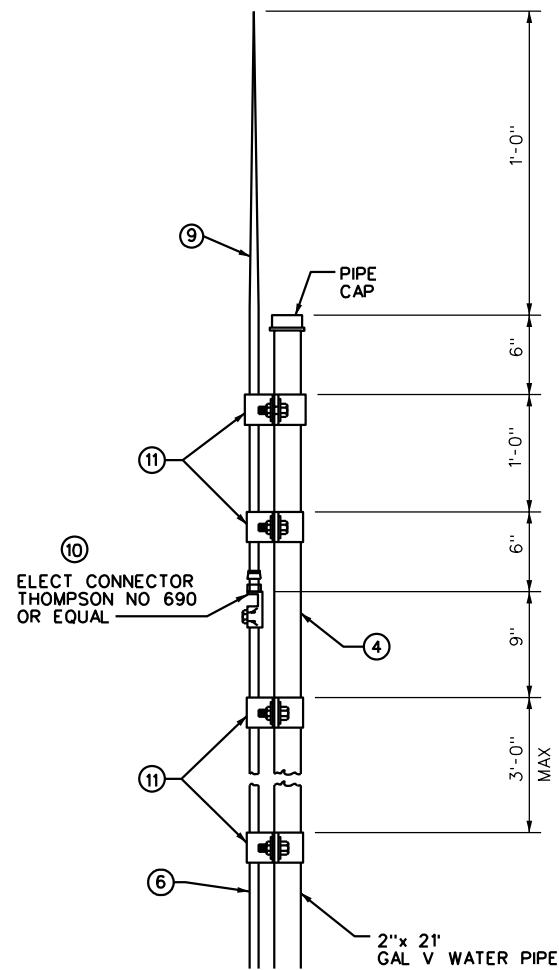
2
E002 TOWER CONDUIT ELEVATION
NOT TO SCALE



3
E002 JUNCTION BOX SECTION
NOT TO SCALE



4
E002 TOWER- COUNTERPOISE CONFIGURATION
NOT TO SCALE



5
E002 AIR TERMINAL ASSEMBLY
SCALE: 1/2" = 1'-0"

NOTES

- SUPPORT THE CONDUCTOR AT A MINIMUM OF 2'-0" SPACING AROUND THE PERIMETER OF THE PLATFORM.
- INSTALL DOWN CONDUCTOR WITH AN MINIMUM OF BENDS.
- ALL GROUNDING CONNECTIONS BELOW GRADE BY EXOTHERMIC WELD.

LEGEND

- GROUND ROD, COPPER CLAD 3/4" DIA x 10'
- 4/0 AWG BARE COPPER, 28 STRANDS, WT 660 LBS/1000 FT
- CONDUIT, RIGID PLASTIC 3/4"
- STANDARD STEEL PIPE, GALV 2"x 21 FEET LONG (WATER PIPE)
- U-BOLT, 2" WITH SELF LOCKING NUTS, GALV
- DOWN CONDUCTOR, 29 STRANDS, WT 190 LBS/1000', THOMPSON 29X OR EQUAL
- PARALLEL CLAMP, THOMPSON #4248 OR EQUAL
- SET SCREW CLAMP, THOMPSON #701 OR EQUAL
- AIR TERMINAL, 5/8"x 3', THOMPSON #667 OR EQUAL
- VERTICAL CONNECTOR, THOMPSON #690 OR EQUAL
- PIPE CLAMP, THOMPSON #240X OR EQUAL
- CABLE CLAMP, THOMPSON #142 OR EQUAL

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA RCAG LIGHTNING PROTECT REPLACEMENT ANTENNA TOWER					
LONDON		LOZ RCAG		KY	
REVIEWED BY	SUBMITTED BY ORIGINAL SIGNED BY:		APPROVED BY ORIGINAL SIGNED BY:		
PROJECT ENGINEER	ISSUED BY		MGR: ENGINEERING - ATLANTA		
DESIGNED	DRAWN		DATE		
CHECKED	ENGINEERING SERVICES COMMUNICATIONS		JCN		
DRAWING NO			REV		
LOZ-D-XXXXXX-EXXX					